

PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/706,635
Filing Date	November 12, 2003
First Named Inventor	Richard W. Moyer
Art Unit	1632
Examiner Name	
Attorney Docket Number	UF-221C1XCZ1

Sheet

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of

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-5,721,352	02-24-1998	Moyer et al.	All
	U2	US-5,753,258	05-19-1998	Schreier et al.	All
	U3	US-5,762,924	06-09-1998	Dall et al.	All
	U4	US-6,106,825	08-22-2000	Moyer et al.	All
	U5	US-5,935,777	08-10-1999	Moyer et al.	All
	U6	US-6,127,172	10-03-2000	Moyer et al.	All
	U7	US-			
	U8	US-			
	U9	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
	F1	WO 94/13812 A2	06-23-1994	Univ. of Florida	All	
	F2	WO 98/50571 A1	11-12-1998	Univ. of Florida	All	
	F3	WO 96/09074 A1	03-28-1996	General Hosp. Corp.	All	
	F4	WO 99/61069 A1	12-02-1999	Univ. of Florida	All	
	F5					
	F6					
	F7					

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R1	AFONSO, C.L. et al. "The genome of Melanoplus sahuinipes Entomopoxvirus" <i>J. Virol.</i> , 1999, 73:533-552.	
	R2	ARIF, B. M. and KURSTAK, E. The Entomopoxviruses. In "Viruses of Invertebrates," E. Kurstak, Ed., 1991, pp. 179-195. Marcel Dekker, Inc., New York.	
	R3	BAWDEN, A. L. et al. Entomopoxvirus Vectors. In "Viral Vectors: Basic Science and Gene Therapy," 2000, pg. 341-355, A. Cid-Arregui, Ed., Eaton Publishing, Natick, MA (In Press).	
	R4	BAWDEN, A.L. et al. "Complete Genomic Sequence of the Amsacta moorei Entomopoxvirus: Analysis and Comparison with Other Poxviruses" <i>Virology</i> , 2000, 274:120-139.	
	R5	BERNS, K.I. and BOHENZKY, R.A. "Adeno-Associated Viruses: An Update" <i>Adv. Virus Res.</i> , 1987, 32:243-306.	
	R6	FERNON, C.A. et al. "Replication of Heliothis amigera entomopoxvirus in vitro" <i>J. Invertebr. Pathol.</i> , 1995, 66:216-223.	
	R7	GAUTHIER, L. et al. "The Melolontha melolontha Entomopoxvirus (MmEPV) Fusolin Is Related To The Fusolins Of Lepidopteran EPVs And To The 37K Baculovirus Glycoprotein" <i>Virology</i> , 1995, 208:427-436.	
	R8	GOEBEL, S.J. et al. "The complete DNA sequence of vaccinia virus" <i>Virology</i> , 1990, 179, 247-66, 517-63.	
	R9	GOODING, L.R. "Virus proteins that counteract host immune defenses" <i>Cell</i> , 1992, 71:5-7.	
	R10	GOODWIN, R.H. et al. "Replication of the entomopoxvirus from Amsacta moorei in serum-free cultures of a gypsy moth cell line" <i>J. Invertebr. Pathol.</i> , 1990, 56:190-205.	
	R11	GRANADOS, R.R. "Entomopoxvirus infections in insects", In: Pathogenesis of invertebrate Microbial Disease, 1981, pp 102-126, Davidson, E.W. (ed.) New Jersey, Allanheld Totowa.	
	R12	GRUIDL, M.E. et al. "Mapping and molecular characterization of a functional thymidine kinase from Amsacta moorei entomopoxvirus" <i>Virology</i> , 1992, 186:507-516.	
	R13	HALL, R.L. and HINK, W.F. "Physical mapping and field inversion gel electrophoresis of Amsacta moorei entomopoxvirus DNA" <i>Arch. Virol.</i> , 1990, 110:77-90.	

Examiner Signature		Date Considered	8/5/04
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
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	R14	HALL, R.L. and R.W. MOYER "Identification, cloning, and sequencing of a fragment of Amsacta moorei entomopoxvirus DNA containing the spheroidin gene and three vaccinia virus-related open reading frames" <i>J. Virol.</i> 1991, 65:6516-6527.	
	R15	HALL, R.L. and MOYER, R.W. "Identification of an Amsacta spheroidin-like protein within the occlusion bodies of Choristoneura entomopoxviruses" <i>Virology</i> , 1993, 192:179-187.	
	R16	HALL, R.L. <i>et al.</i> "The Amsacta moorei entomopoxvirus spheroidin gene is improperly transcribed in vertebrate poxviruses" <i>Virology</i> , 1996, 224:427-436.	
	R17	KAPLITT, M.G. <i>et al.</i> "Long-term gene expression and phenotypic correction using adeno-associated virus vectors in the mammalian brain" <i>Nat. Genet.</i> , 1994, 8:148-154.	
	R18	KOTIN, R.M. <i>et al.</i> "Characterization of a preferred site on human chromosome 19q for integration of adeno-associated virus DNA by non-homologous recombination" <i>The EMBO Journal</i> , 1992, 11(13):5071-5078.	
	R19	LANGRIDGE, W.H.R. "Detection of Amsacta moorei Entomopoxvirus and Vaccinia Virus Proteins in Cell Cultures Restrictive for Poxvirus Multiplication" <i>Journal of Invertebrate Pathology</i> , 1983, 42:77-82.	
	R20	LI, X. <i>et al.</i> "Cloning, sequencing and transcriptional analysis of the Choristoneura fumiferana entomopoxvirus spheroidin gene" <i>Virus Res.</i> , 1997, 47:143-154.	
	R21	LI, Y. <i>et al.</i> "Transient, Nonlethal Expression of Genes in Vertebrate Cells by Recombinant Entomopoxviruses" <i>Journal of Virology</i> , Dec. 1997, 71(12):9557-9562.	
	R22	LI, Y. <i>et al.</i> "High-level expression of Amsacta moorei entomopoxvirus spheroidin depends on sequences within the gene" <i>Journal of General Virology</i> , 1998, 79:613-622.	
	R23	LYTVYN, V. <i>et al.</i> "Comparison of the thymidine kinase genes from three entomopoxviruses" <i>J. Gen. Virol.</i> , 1992, 73:3235-3240.	
	R24	MOYER, R.W. Entomopoxviruses, p. 392-397, Encyclopedia of Virology, R.G. Webster and A. Granoff (eds.), 1994, Academic Press Ltd, London.	
	R25	NIENHUIS, A.W. <i>et al.</i> "Viruses as Therapeutic Gene Transfer Vectors" In: N.S. Young (ed.) Viruses and Bone Marrow, Marcel Decker, New York, 1993, pp 353-414.	
	R26	PALMER, C. <i>et al.</i> "Genetic modification of an entomopoxvirus: deletion of the spheroidin gene does not affect virus replication in vitro" <i>Journal of General Virology</i> , 1995, 76:15-23.	

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RL	R27	ROSS, G. <i>et al.</i> "Gene Therapy in the United States: A Five-Year Status Report" <i>Human Gene Therapy</i> , Sept, 1996, 7:1781-1790.	
	R28	SMITH, G.L. <i>et al.</i> "Nucleotide sequence of 42 kbp of vaccinia virus strain WR from near the right inverted terminal repeat" <i>J. Gen. Virol.</i> , 1991, 72:1349-1376.	
	R29	SMITH, G.L. "Secreted poxvirus proteins that interact with the immune system" <i>Effects of Microbes on the Immune System</i> , 2000, 491-507.	
	R30	SRISKANTHA, A. <i>et al.</i> "Mapping of the Heliothis amigera entomopoxvirus (HaEPV) genome, and analysis of genes encoding the HaEPV spheroidin and nucleoside triphosphate phosphohydrolase I proteins" <i>J Gen Virol</i> , 1997, 78:3115-3123.	
	R31	VERMA, I.M. and N. SOMIA "Gene Therapy C promises, problems and prospects" <i>Nature</i> , 1997, 389:239-242.	
	R32	WINTER, J. <i>et al.</i> "The effect of inhibitors on the growth of the entomopoxvirus from <i>Amsacta moorei</i> in <i>Lymantria dispar</i> (gypsy moth) cells" <i>Virology</i> , 1995, 211:462-473.	
	R33	SMITH, G.L. "Virus strategies for evasion of the host response to infection" <i>Trends in Microbiology</i> , March 1994, 2(3):81-88.	
	R34	MUSTAFA, A. and L. YUEN "Identification and sequencing of the <i>Choristoneura biennis</i> entomopoxvirus DNA polymerase gene" <i>J. DNA Sequencing and Mapping</i> , 1991, 2:39-45.	
	R35	MARSHALL, E. "Gene Therapy's Growing Pains" <i>Science</i> , 1995, 269:1050-1055.	
	R36	ORKIN <i>et al.</i> Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy" 1995.	
	R37		
	R38		
	R39		

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